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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/634,734

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Antti Kiiveri

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6648

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7590

10/20/2009

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EXAMINER

PERUNGAVOOR, VENKATANARAY

ART UNIT

PAPER NUMBER

2432

MAIL DATE

DELIVERY MODE

10/20/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/634,734	<b>Applicant(s)</b> KIIVERI ET AL.	
	<b>Examiner</b> Venkat Perungavoor	<b>Art Unit</b> 2432	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 24 August 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-8,10-14 and 16-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-2,4-8,10-14,16-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8/24/2009 has been entered.

### ***Response to Arguments***

Applicant's arguments filed 8/24/2009 have been fully considered but they are not persuasive.

The Applicant argues that Morgan nor Grawrock discloses the protected area of memory containing security function of circuitry is restricted access according to mode set. That is, protected area is only accessed when first mode is set and restricted when second mode is set.

Grawrock discloses the protected area being accessed when the privileges and appropriate modes are set see Par. 0017. And further Grawrock discloses the memory containing AC which is authenticated before execution see Par. 0018. This AC module is contained in private memory that is accessible when privileges and modes are set, otherwise the processors are restricted access into this part of memory see Par. 0015.

***Claim Rejections - 35 USC § 103***

Claims 1-2, 4-8, 10-14, 16-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 698459 to Morgan in view of US Patent 2003/0196100 to Grawrock et al.(hereinafter Grawrock).

Regarding Claim 1, 7, 13, Morgan discloses the at least one storage area in storage circuit, in which storage area protected data relating to security functions of circuitry are located see Col 1 Ln 55-62; mode setting means arranged to set processor in at least two different operating modes, the mode setting means being capable of altering the processor operating mode see Col 7 Ln 8-16; storage circuit access control means arranged to enable said processor to access the storage area in which said protected data are located when first processor operating mode is set wherein only authenticated software authenticated by said authentication means and said protected applications have access to said protected data; and see Fig. 2 item 214. But Morgan does not explicitly disclose the authenticating the software and only authenticated software and protected applications having access to protected area of storage nor preventing access when second mode is set. However, Grawrock discloses the authenticating the software and only authenticated software and protected applications having access to protected area of storage see Par. 0015 & Par. 0021-0022; storage circuit access control means arranged to prevent said processor from accessing said storage area in which protected data are located when a second processor operating mode is set, thereby enabling said at least one processor to execute non-verified software downloaded into the circuitry

see Par. 0015. It would be obvious to one having ordinary skill in the art at the time of the invention to include the authenticating of software and only authenticated software having access to protected area in the invention of Morgan in order to have only trusted applications access secure areas as taught in Grawrock see Par. 0022.

Regarding Claim 4, 10, 16, Morgan discloses the means to indicate which mode the processor is operating see Col 6 Ln 23-35.

Claim 2, 6, 8, 12, 14, 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 6968459 to Morgan in view of US Patent 2003/0196100 to Grawrock et al.(hereinafter Grawrock) and further in view of US Patent 2001/0055980 A1 to Sato.

Regarding Claim 2, 8,14, Morgan does not discloses the timer arranged to control a time period during which processor is in second mode. However, Sato discloses the timer being used to control period of usage see Par. 0014. It would be obvious to one having ordinary skill in the art at the time of the invention to include the timer being used to control period of usage in the invention of Morgan in order to division of usage on CPU and memory as taught in Par. 0015.

Regarding Claim 6, 12, 18, Morgan does not disclose the circuitry being in a mobile telecommunication terminal. However, Sato discloses the circuitry being in a mobile telecommunication terminal see Fig. 2 item 23.

Claim 5, 11, 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 6968459 to Morgan in view of US Patent 2003/0196100 to Grawrock et al.(hereinafter Grawrock) and further in view of US Patent 2002/0040442 A1 to Ishidera.

Regarding Claim 5, 11, 17, Morgan does not disclose the mode setting means comprise an application program. However, Ishidera discloses the mode setting means comprises an application program see Fig. 1 item 40. It would be obvious to one having ordinary skill in the art at the time of the invention to include mode setting means comprises an application program in the invention of Morgan in order to have an user access the mode setting feature as taught in Inshidera see Par. 0063.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkat Perungavoor whose telephone number is (571)272-7213. The examiner can normally be reached on 8:30-5:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2432

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Venkat Perungavoor/  
Examiner, Art Unit 2432  
October 16, 2009